

In the Claims:

Claims 1-6 (Canceled).

Claim 7 (Currently amended). An isolated polypeptide having at least 85% identity with an amino acid sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claims 8-9 (Canceled).

Claim 10 (Currently amended). An antibody which specifically binds to a polypeptide, wherein said polypeptide has at least 85% identity to an amino acid sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claim 11 (Canceled).

Claim 12 (Currently amended). A method for producing a polypeptide, said method comprising incubating host cells that have been transfected with an expression vector containing a polynucleotide sequence encoding a polypeptide, wherein said polypeptide comprises an amino acid sequence having at least 85% identity with an amino acid sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claim 13 (Currently amended). A method for producing antibodies which specifically bind to an antigen, said method comprising administering to an individual an isolated immunogenic polypeptide or fragment thereof in an amount sufficient to elicit an immune response, wherein said immunogenic

polypeptide has at least 85% identity with a sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claim 14 (Currently amended). A method for producing antibodies which specifically bind to an antigen, said method comprising administering to an individual a plasmid comprising a polynucleotide sequence which encodes polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claim 15 (Canceled).

Claim 16 (Currently amended). A composition of matter comprising an isolated polypeptide having at least 85% identity with a sequence selected from the group consisting of SEQ ID NOS: 41-49, and fragments thereof having a length of at least 15 amino acids.

Claims 17-18 (Canceled).